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LOGINID:SSSPTA1623PAZ

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * Welcome to STN International * * * * * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 NOV 21 CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present
NEWS 3 NOV 26 MARPAT enhanced with FSORT command
NEWS 4 NOV 26 CHEMSAFE now available on STN Easy
NEWS 5 NOV 26 Two new SET commands increase convenience of STN searching
NEWS 6 DEC 01 ChemPort single article sales feature unavailable
NEWS 7 DEC 12 GBFULL now offers single source for full-text coverage of complete UK patent families
NEWS 8 DEC 17 Fifty-one pharmaceutical ingredients added to PS
NEWS 9 JAN 06 The retention policy for unread STNmail messages will change in 2009 for STN-Columbus and STN-Tokyo
NEWS 10 JAN 07 WPIDS, WPINDEX, and WPIX enhanced Japanese Patent Classification Data
NEWS 11 FEB 02 Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS 12 FEB 02 GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS 13 FEB 06 Patent sequence location (PSL) data added to USGENE
NEWS 14 FEB 10 COMPENDEX reloaded and enhanced
NEWS 15 FEB 11 WTEXTILES reloaded and enhanced
NEWS 16 FEB 19 New patent-examiner citations in 300,000 CA/CAplus patent records provide insights into related prior art
NEWS 17 FEB 19 Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01
NEWS 18 FEB 23 Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS 19 FEB 23 MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS 20 FEB 23 TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
NEWS 21 FEB 23 Three million new patent records blast AEROSPACE into STN patent clusters
NEWS 22 FEB 25 USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 09:11:45 ON 06 MAR 2009

FILE 'REGISTRY' ENTERED AT 09:11:58 ON 06 MAR 2009
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STRUCTURE FILE UPDATES: 4 MAR 2009 HIGHEST RN 1115640-24-8
DICTIONARY FILE UPDATES: 4 MAR 2009 HIGHEST RN 1115640-24-8

New CAS Information Use Policies. enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

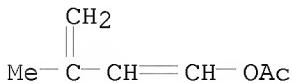
<http://www.cas.org/support/stn/gen/stndoc/properties.html>

```
=> e isoprenyl acetate/cn
E1          1      ISOPRENOL/CN
E2          1      ISOPRENOLALUMINUM/CN
E3          1  --> ISOPRENYL ACETATE/CN
E4          1      ISOPRENYL ALUMINUM/CN
E5          1      ISOPRENYL BROMIDE/CN
E6          1      ISOPRENYL CHLORIDE/CN
E7          1      ISOPRENYL DIPHOSPHATE BIOSYNTHESIS PROTEIN ISPH (CORYNEBACTERIUM EFFICIENS STRAIN YS-314)/CN
E8          1      ISOPRENYL DIPHOSPHATE SYNTHASE/CN
E9          1      ISOPRENYL DIPHOSPHATE SYNTHASE (ACYRTHOSIPHON PISUM MITOCHONDRIA-ASSOCIATED PRECURSOR)/CN
E10         1      ISOPRENYL DIPHOSPHATE SYNTHASE (APHIS FABAE MITOCHONDRIA-ASSOCIATED PRECURSOR)/CN
E11         1      ISOPRENYL DIPHOSPHATE SYNTHASE (MEGOURA VICIAE MITOCHONDRIA-ASSOCIATED PRECURSOR)/CN
E12         1      ISOPRENYL DIPHOSPHATE SYNTHASE (MYZUS PERSICAE MITOCHONDRIA-ASSOCIATED PRECURSOR 1)/CN
```

=> e3
L1 1 "ISOPRENYL ACETATE"/CN

=> d 11

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN
RN 17616-47-6 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1,3-Butadien-1-ol, 3-methyl-, 1-acetate (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,3-Butadien-1-ol, 3-methyl-, acetate (8CI, 9CI)
OTHER NAMES:
CN 1-Acetoxy-3-methyl-1,3-butadiene
CN 3-Methyl-1,3-butadien-1-yl acetate
CN Isoprenyl acetate
MF C7 H10 O2
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, CHEMINFORMRX, CHEMLIST,
IFICDB, IFIPAT, IFIUDB, SPECINFO, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

72 REFERENCES IN FILE CA (1907 TO DATE)
72 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> e 3-methyl-2-butenyl acetate/cn
E1 1 3-METHYL-2-BUTENYL 2-METHYL-3-OXOBUTANOATE/CN
E2 1 3-METHYL-2-BUTENYL 2-METHYLPENTANOATE/CN
E3 1 --> 3-METHYL-2-BUTENYL ACETATE/CN
E4 1 3-METHYL-2-BUTENYL ACRYLATE/CN
E5 1 3-METHYL-2-BUTENYL ACRYLATE-STYRENE COPOLYMER/CN
E6 1 3-METHYL-2-BUTENYL ALCOHOL/CN
E7 1 3-METHYL-2-BUTENYL ANGELATE/CN
E8 1 3-METHYL-2-BUTENYL AZIDE/CN
E9 1 3-METHYL-2-BUTENYL BENZOATE/CN
E10 1 3-METHYL-2-BUTENYL BENZYL ETHER/CN
E11 1 3-METHYL-2-BUTENYL BROMIDE/CN
E12 1 3-METHYL-2-BUTENYL BROMOACETATE/CN

=> e3
L2 1 "3-METHYL-2-BUTENYL ACETATE"/CN

=> d 12

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN
RN 1191-16-8 REGISTRY
ED Entered STN: 16 Nov 1984
CN 2-Buten-1-ol, 3-methyl-, 1-acetate (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Buten-1-ol, 3-methyl-, acetate (6CI, 7CI, 8CI, 9CI)
OTHER NAMES:
CN γ,γ -Dimethylallyl acetate
CN 1-Acetoxy-3-methyl-2-butene
CN 3,3-Dimethylallyl acetate
CN 3-Methyl-1-acetoxy-2-butene
CN 3-Methyl-2-buten-1-ol acetate

CN 3-Methyl-2-buten-1-yl acetate
CN 3-Methyl-2-butenyl acetate
CN Acetic acid 3-methyl-2-butenyl ester
CN Dimethylallyl acetate
CN Isopent-2-enyl acetate
CN Prenyl acetate
MF C₇ H₁₂ O₂
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, CA, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, IFICDB, IFIPAT, IFIUDB, RTECS*, SPECINFO, TOXCENTER, USPAT2, USPATFULL, USPATOLD
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

370 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
371 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	17.20	17.42

FILE 'CAPLUS' ENTERED AT 09:14:55 ON 06 MAR 2009
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FILE COVERS 1907 - 6 Mar 2009 VOL 150 ISS 11
FILE LAST UPDATED: 5 Mar 2009 (20090305/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> (Sodium or potassium or lithium) acetate
 MISSING OPERATOR LITHIUM) ACETATE

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> help (W)

The (W) operator is used to search for terms that are adjacent to each other in the order specified. The following forms of the (W) operator are available:

Operator	Search Example	Retrieves
(W)	SHALE (W) OIL	Records that contain SHALE OIL
(nW)	AIR (3W) POLLUTION	Records that contain AIR followed by POLLUTION with 0 to 3 intervening terms, e.g., AIR AND WATER POLLUTION
(XW)	GOLD (XW) ALLOY	Records that contain GOLD followed by ALLOY anywhere within the same field or information unit, e.g., GOLD-NICKEL ALLOY
(NOTW)	LIME (NOTW) JUICE	Records that contain an occurrence of LIME not immediately followed by JUICE. Records that contain an occurrence of LIME JUICE, in addition to an occurrence of LIME not immediately followed by JUICE, would be retrieved
(nNOTW)	FIBER (5NOTW) OPTICS	Records that contain an occurrence of FIBER not followed by OPTICS with 0 to 5 intervening terms. Records that contain an occurrence of FIBER followed by OPTICS with 0 to 5 intervening terms, in addition to an occurrence of FIBER not followed by OPTICS with 0 to 5 intervening terms, would be retrieved
(XNOTW)	AMINO (XNOTW) CHLORO	Records that contain an occurrence of AMINO not followed by CHLORO anywhere within the same field or information unit. Records that contain an occurrence of AMINO followed by CHLORO in the same field or information unit, in addition to an occurrence of AMINO not followed by CHLORO in the same field or information unit, would be retrieved

n = any number from 0 to 9999

=> (Sodium or potassium or lithium)(W) acetate

1260030 SODIUM
 47 SODIUMS
1260041 SODIUM
 (SODIUM OR SODIUMS)
714213 POTASSIUM
 19 POTASSIUMS
714216 POTASSIUM
 (POTASSIUM OR POTASSIUMS)
356301 LITHIUM
 377 LITHIUMS
356432 LITHIUM
 (LITHIUM OR LITHIUMS)
587598 ACETATE
 30608 ACETATES
600217 ACETATE
 (ACETATE OR ACETATES)
L4 26850 (SODIUM OR POTASSIUM OR LITHIUM) (W) ACETATE

=> d his

(FILE 'HOME' ENTERED AT 09:11:45 ON 06 MAR 2009)

FILE 'REGISTRY' ENTERED AT 09:11:58 ON 06 MAR 2009
 E ISOPRENYL ACETATE/CN

L1 1 E3
 E 3-METHYL-2-BUTENYL ACETATE/CN
L2 1 E3

FILE 'CAPLUS' ENTERED AT 09:14:55 ON 06 MAR 2009

L3 371 L2
L4 26850 (SODIUM OR POTASSIUM OR LITHIUM) (W) ACETATE

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	11.46	28.88

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DICTIONARY FILE UPDATES: 4 MAR 2009 HIGHEST RN 1115640-24-8

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experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

```
=> e acetic anhydride
E1          2      ACETIAMINE/BI
E2    1209833      ACETIC/BI
E3          0 --> ACETIC ANHYDRIDE/BI
E4          1      ACETIC1/BI
E5          1      ACETIC2/BI
E6          37     ACETICA/BI
E7          1      ACETICACI/BI
E8          14     ACETICHTHYS/BI
E9          23     ACETICUM/BI
E10         583    ACETICUS/BI
E11         1      ACETICYL/BI
E12         1      ACETIDI/BI
```

```
=> e acetic anhydride/cn
E1          1      ACETIC ACRYLIC ANHYDRIDE/CN
E2          1      ACETIC ALDEHYDE/CN
E3          1 --> ACETIC ANHYDRIDE/CN
E4          1      ACETIC ANHYDRIDE 1:2 COMPLEX WITH THIONYL CHLORIDE/CN
E5          1      ACETIC ANHYDRIDE LABELED WITH CARBON-14/CN
E6          1      ACETIC ANHYDRIDE, (BENZALAMINO)-/CN
E7          1      ACETIC ANHYDRIDE, A,A'-BIS(1-AMINO-4-ETHOXY-2-NA
                  PHTHYLMERCAPTO)-/CN
E8          1      ACETIC ANHYDRIDE, A,A'-BIS(TRIAZO)-/CN
E9          1      ACETIC ANHYDRIDE, A,A,A',A'-TETRAPHE
                  NYL-A,A'-DI-O-TOLYL-/CN
E10         1      ACETIC ANHYDRIDE, BI COMPLEX/CN
E11         1      ACETIC ANHYDRIDE, BISMUTH COMPLEX/CN
E12         1      ACETIC ANHYDRIDE, CD COMPLEX/CN
```

```
=> e3
L5          1 "ACETIC ANHYDRIDE"/CN
```

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=> file caplus
COST IN U.S. DOLLARS           SINCE FILE           TOTAL
                               ENTRY                 SESSION
FULL ESTIMATED COST           6.31                35.19
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FILE COVERS 1907 - 6 Mar 2009 VOL 150 ISS 11
FILE LAST UPDATED: 5 Mar 2009 (20090305/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 15
L6 21791 L5

=> d his

(FILE 'HOME' ENTERED AT 09:11:45 ON 06 MAR 2009)

FILE 'REGISTRY' ENTERED AT 09:11:58 ON 06 MAR 2009
E ISOPRENYL ACETATE/CN
L1 1 E3
E 3-METHYL-2-BUTENYL ACETATE/CN
L2 1 E3

FILE 'CAPLUS' ENTERED AT 09:14:55 ON 06 MAR 2009
L3 371 L2
L4 26850 (SODIUM OR POTASSIUM OR LITHIUM) (W) ACETATE

FILE 'REGISTRY' ENTERED AT 09:17:55 ON 06 MAR 2009
E ACETIC ANHYDRIDE
E ACETIC ANHYDRIDE/CN
L5 1 E3

FILE 'CAPLUS' ENTERED AT 09:19:14 ON 06 MAR 2009
L6 21791 L5

=> 16 (1) 13
L7 0 L6 (L) L3

=> 16 and 13
L8 10 L6 AND L3

=> d 18 1-10 ti

L8 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2009 ACS on STN
TI Synthesis of a ceria-yttria based strong Lewis acid heterogeneous catalyst: application to chemoselective acylation and ene reactions

L8 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2009 ACS on STN
TI New Insights into the Mechanism of Palladium-Catalyzed Allylic Amination

L8 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2009 ACS on STN
TI Processes for producing 3-methyl-2-butenyl acetate

L8 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2009 ACS on STN
TI Ruthenium(III) chloride-catalyzed acylation of alcohols, phenols, thiols, and amines

L8 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2009 ACS on STN
TI Electrostatic catalysis by ionic aggregates: scope and limitations of Mg(ClO₄)₂ as acylation catalyst

L8 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2009 ACS on STN
TI Fluoroboric acid adsorbed on silica gel as a new and efficient catalyst for acylation of phenols, thiols, alcohols, and amines

L8 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2009 ACS on STN
TI Methods for conversion of isoprene to prenyl alcohol and esters

L8 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2009 ACS on STN
 TI 3-Methyl-3-butenyl and 3-methyl-2-butenyl acetates

L8 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Organic ionic substitution reaction catalysts

L8 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Reaction of amines with conjugated dienes in the presence of alkali naphthalenide. New synthesis of geranyl acetate

=> d 18 3,7,8 ti fbib abs

L8 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Processes for producing 3-methyl-2-butene-1-yl acetate
 AN 2005:1075753 CAPLUS
 DN 143:346810
 TI Processes for producing 3-methyl-2-butene-1-yl acetate
 IN Masumoto, Katsuhisa; Itagaki, Makoto
 PA Sumitomo Chemical Company, Limited, Japan
 SO PCT Int. Appl., 17 pp.
 CODEN: PIXXD2

DT Patent
 LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005092828	A1	20051006	WO 2005-JP5656	20050322
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
				JP 2004-88617	A 20040325
				JP 2004-196477	A 20040702
JP	2005306852	A	20051104	JP 2005-63455	20050308
JP	2006045190	A	20060216	JP 2004-88617	A 20040325
EP	1728780	A1	20061206	JP 2005-63456	20050308
	R: DE, ES, FR, GB, HU, IT			JP 2004-196477	A 20040702
				EP 2005-721583	20050322
CN	1930111	A	20070314	JP 2004-88617	A 20040325
				JP 2004-196477	A 20040702
				WO 2005-JP5656	20050322
CN	20058008249				20050322
				JP 2004-88617	A 20040325
				JP 2004-196477	A 20040702
				WO 2005-JP5656	20050322
KR	2006-721777				20061020
				JP 2004-88617	W 20040325
				JP 2004-196477	W 20040702
				WO 2005-JP5656	20050322
IN	2006-CN3891	A	20070622	IN 2006-CN3891	20061023
				JP 2004-88617	A 20040325
				WO 2005-JP5656	20050322

US 20080275268	A1	20081106	US 2008-590991	20080716
			JP 2004-88617	A 20040325
			JP 2004-196477	A 20040702
			WO 2005-JP5656	W 20050322

AB A process for producing 3-methyl-2-butenyl acetate comprising reacting 3-methyl-2-buten-1-ol with acetic anhydride in the presence of an inorg. base catalyst is disclosed. The purification process of 3-methyl-2-butenyl acetate by subjecting crude 3-methyl-2-butenyl acetate to the step (A) of contacting it with an aqueous solution of an alkali metal sulfurous acid, or the step (B) of contacting it with an aqueous solution of a base, or both steps (A) and (B) is also claimed.

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2009 ACS on STN
TI Methods for conversion of isoprene to prenyl alcohol and esters
AN 2001:611770 CAPLUS
DN 135:166653
TI Methods for conversion of isoprene to prenyl alcohol and esters
IN Babler, James H.
PA Loyola University of Chicago, USA
SO U.S., 7 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
PI US 6278016	B1	20010821	US 1999-458153 US 1999-458153	19991209 19991209

OS CASREACT 135:166653; MARPAT 135:166653
AB Methods for preparing ester derivs. of 3-methyl-2-buten-1-ol (prenyl alc.) from the addition reaction of isoprene with alkanoic acids (e.g., acetic acid-acetic anhydride mixture) in the presence of an inorg. acid (e.g., phosphoric acid) catalyst are disclosed. The resultant prenyl ester (e.g., prenyl acetate) readily can be converted to prenyl alc. by saponification

RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2009 ACS on STN
TI 3-Methyl-3-butenyl and 3-methyl-2-butenyl acetates
AN 1983:539350 CAPLUS
DN 99:139350
OREF 99:21401a, 21404a
TI 3-Methyl-3-butenyl and 3-methyl-2-butenyl acetates
IN Safarov, M. G.; Shakhova, F. A.; Bikkulov, R. M.; Safarova, V. G.; Ibatullin, U. G.
PA Bashkir State University, USSR
SO U.S.S.R.
From: Otkrytiya, Izobret., Prom. Obraztsy, Tovarnye Znaki 1983, (20), 72.
CODEN: URXXAF
DT Patent
LA Russian
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
PI SU 1020421	A1	19830530	SU 1981-3340868 SU 1981-3340868	19810827 19810827

AB The title compds. are prepared by heating 4,4-dimethyl-1,3-dioxane at 75-80° with Ac2O containing 0.3-0.8 weight % H2SO4.

=> d his

(FILE 'HOME' ENTERED AT 09:11:45 ON 06 MAR 2009)

FILE 'REGISTRY' ENTERED AT 09:11:58 ON 06 MAR 2009
E ISOPRENYL ACETATE/CN

L1 1 E3
E 3-METHYL-2-BUTENYL ACETATE/CN
L2 1 E3

FILE 'CPLUS' ENTERED AT 09:14:55 ON 06 MAR 2009
L3 371 L2
L4 26850 (SODIUM OR POTASSIUM OR LITHIUM) (W) ACETATE

FILE 'REGISTRY' ENTERED AT 09:17:55 ON 06 MAR 2009
E ACETIC ANHYDRIDE
E ACETIC ANHYDRIDE/CN
L5 1 E3

FILE 'CPLUS' ENTERED AT 09:19:14 ON 06 MAR 2009
L6 21791 L5
L7 0 L6 (L) L3
L8 10 L6 AND L3

=> l3/prep

FIELD CODES CANNOT BE CHANGED HERE

You may have tried to apply a field code to a term that already has a field code. You can only add a field code to a term that has no field code appended to it.

=> l2/prep
371 L2
4732965 PREP/RL
L9 90 L2/PREP
(L2 (L) PREP/RL)

=> l9 and l6
L10 10 L9 AND L6

=> l10 not l8
L11 0 L10 NOT L8

=> l4 (l) l6
L12 49 L4 (L) L6

=> esterif?
L13 140395 ESTERIF?

=> l12 and l13
L14 2 L12 AND L13

=> d l14 1-2 ti fbib abs

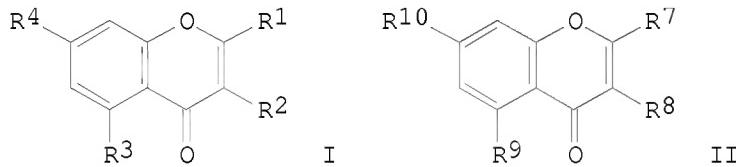
L14 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN
TI Synthesis of p-nitrophenol acetate
AN 2001:69375 CAPLUS
DN 135:5414
TI Synthesis of p-nitrophenol acetate
AU Fang, Yanxiong; Zhang, Weigang; Liu, Chunying; Huang, Zhibin; Chen, Xiaodong

CS Guangdong University of Industry, Canton, 510090, Peop. Rep. China
 SO Guangdong Huagong (2000), 27(6), 18, 21
 CODEN: GHUAFI; ISSN: 1007-1865
 PB Guangdongsheng Zhonghua Gongyeting Xinxi Zhongxin
 DT Journal
 LA Chinese
 OS CASREACT 135:5414
 AB P-Nitrophenol acetate was synthesized from p-nitrophenol and Ac₂O at room temperature under the catalysis of NaOAc. The yield was 97.64%, and the purity > 99%.

L14 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Transdermal preparations containing chromone derivatives or their salts as melanin-formation inhibitors
 AN 1994:173133 CAPLUS
 DN 120:173133
 OREF 120:30431a,30434a
 TI Transdermal preparations containing chromone derivatives or their salts as melanin-formation inhibitors
 IN Onuma, Hiroaki; Nishizawa, Yoshinori; Jokura, Hiroko; Azuma, Seishi; Kimura, Mitsutoshi; Kobayashi, Takeshi; Imokawa, Genji; Kitayama, Takashi; Hori, Takashi; Et, Al.
 PA Kao Corp, Japan
 SO Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI JP 05301813	A	19931116	JP 1992-272886 JP 1991-266406	19921012 A1 19911015

OS MARPAT 120:173133
 GI



AB Transdermal preps. contain chromone derivs. I [R1 = H, alkyl, COOH, COOR₅; R2 = H, acyl, COOH; R3 = H, OH, lower alkoxy, carboxymethoxy, lower alkoxy carbonylmethoxy; R4 = H, OH, OR₆, lower acyloxy, carboxymethoxy, lower alkoxy carbonylmethoxy; R5-6 = C₁-15 linear or branched alkyl or alkenyl] or their salts as melanin-formation inhibitors, which inhibit tyrosinase activity and melanin formation, and show less side effects. Chromone derivs. II [R7 = H, COOR₁₁; R8 = H, CHO, COOH; R9 = same as R3; R10 = H, OR₁₂, lower alkoxy carbonylmethoxy; R11-12 = C₁-15 linear or branched alkyl or alkenyl; when R7 = COOMe, R9 = OH or OMe, or R10 = OMe, residual 3 groups in R7-10 never mean H atoms simultaneously; when R7 = COOEt, R8 = R9 ≠ H and R10 ≠ OMe; when R9 = R10 = OMe, R7 = R8 ≠ H] and their salts are also claimed. A lotion was formulated containing chromone (preparation given) 0.5, glycerin 4.0, polyoxyethylene hydrogenated castor oil 1.5, EtOH 10.0, Na pyrrolidonecarboxylate 2.0, perfumes q.s, and H₂O to 100% by weight

=> d 112 39-49 ti

- L12 ANSWER 39 OF 49 CAPLUS COPYRIGHT 2009 ACS on STN
TI Reactions of alcohols with paraformaldehyde in the presence of the alkali salts and anhydrides of fatty acids. III. Reactions of alicyclic and aliphatic saturated alcohols with paraformaldehyde in the presence of acetic anhydride and sodium acetate
- L12 ANSWER 40 OF 49 CAPLUS COPYRIGHT 2009 ACS on STN
TI Calorimetric study of sodium acetate dissolution in mixtures of acetic acid and acetic anhydride
- L12 ANSWER 41 OF 49 CAPLUS COPYRIGHT 2009 ACS on STN
TI Reaction of alcohols with paraformaldehyde in the presence of the alkali salt and anhydride of fatty acids. I. Reaction of bicyclic terpene alcohols with paraformaldehyde in the presence of acetic anhydride and sodium acetate
- L12 ANSWER 42 OF 49 CAPLUS COPYRIGHT 2009 ACS on STN
TI 1-Carboxymethyl-4-phthalazone (4-oxo-3,4-dihydrophtalazyl-1-acetic acid)
- L12 ANSWER 43 OF 49 CAPLUS COPYRIGHT 2009 ACS on STN
TI Acetylation of mercerized cellulose by acid and basic catalysts with different activity
- L12 ANSWER 44 OF 49 CAPLUS COPYRIGHT 2009 ACS on STN
TI Synthesis of benzo[g]quinoline derivatives. VI. Mechanism of the cyclization of β -(2-carboxynaphthyl-3-amino)propionic acid to N-acetyl-1,2,3,4-tetrahydro-4-oxobenzo[g]quinoline
- L12 ANSWER 45 OF 49 CAPLUS COPYRIGHT 2009 ACS on STN
TI Reactions of quinones with acetic anhydride in the presence of sodium acetate. IV. Reactions of p-benzoquinone and of its alkyl derivatives
- L12 ANSWER 46 OF 49 CAPLUS COPYRIGHT 2009 ACS on STN
TI Reaction of quinones with acetic anhydride in the presence of sodium acetate. V. Reactions of 2,5- and 2,6-dimethoxy-p-benzoquinone
- L12 ANSWER 47 OF 49 CAPLUS COPYRIGHT 2009 ACS on STN
TI Decomposition and condensation of acetic anhydride in the presence of anhydrous potassium acetate
- L12 ANSWER 48 OF 49 CAPLUS COPYRIGHT 2009 ACS on STN
TI Reactions of quinones with acetic anhydride in the presence of sodium acetate. III. Reactions of 2,6-dimethoxy-p-benzoquinone
- L12 ANSWER 49 OF 49 CAPLUS COPYRIGHT 2009 ACS on STN
TI The production of acetone by the action of potassium acetate on acetic anhydride

=> d 112, 39,40, 47, 49 ti fbib abs

- L12 ANSWER 39 OF 49 CAPLUS COPYRIGHT 2009 ACS on STN
TI Reactions of alcohols with paraformaldehyde in the presence of the alkali salts and anhydrides of fatty acids. III. Reactions of alicyclic and aliphatic saturated alcohols with paraformaldehyde in the presence of acetic anhydride and sodium acetate
- AN 1975:442892 CAPLUS
DN 83:42892
OREF 83:6771a,6774a
TI Reactions of alcohols with paraformaldehyde in the presence of the alkali

salts and anhydrides of fatty acids. III. Reactions of alicyclic and aliphatic saturated alcohols with paraformaldehyde in the presence of acetic anhydride and sodium acetate

AU Kishimoto, Takao; Matsubara, Yoshiharu
CS Fac. Sci. Technol., Kinki Univ., Higashiosaka, Japan
SO Nippon Kagaku Kaishi (1975), (4), 697-700
CODEN: NKAKB8; ISSN: 0369-4577

DT Journal
LA Japanese

AB The reaction of alicyclic saturated alcs. (cyclopentanol, cyclohexanol, and cyclooctanol and aliphatic saturated alcs. (n-hexanol, 2-ethylhexanol, n-octanol, and 4-methyl-2-pentanol with paraformaldehyde in the presence of A2O and NaOAc gave, on the basis of their phys. consts. the corresponding acetoacetates, acetoxymethoxyacetates, and acetoxymethoxyacetates.

L12 ANSWER 40 OF 49 CAPLUS COPYRIGHT 2009 ACS on STN
TI Calorimetric study of sodium acetate dissolution in mixtures of acetic acid and acetic anhydride
AN 1975:176032 CAPLUS
DN 82:176032
OREF 82:28113a,28116a
TI Calorimetric study of sodium acetate dissolution in mixtures of acetic acid and acetic anhydride
AU Ivanova, E. F.; Bour-Moskalenko, Z. O.
CS Khar'k. Gos. Univ. im. Gor'kogo, Kharkov, USSR
SO Zhurnal Fizicheskoi Khimii (1975), 49(1), 216-17
CODEN: ZFKHA9; ISSN: 0044-4537

DT Journal
LA Russian

AB The enthalpy of dissoln., ΔH_m , of NaOAc [127-09-3] in HOAc-OAc₂ mixts. containing OAc₂ [108-24-7] 20, 32, and 70 mole%, was determined at 18, 25,
and 35°; mNaOAc = 0-0.40 mole/1000 g. The extrapolated values, ΔH° , were nearly independent of m, being 4.11, 5.12, and 5.08 kcal/mole, for OAc₂ 20, 32, and 70 mole% in the mixture, resp. For all HOAc-OAc₂ mixts., the nonideal fractions of partial-M entropies of dissoln. were neg., thus indicating that OAc₂ causes an ordering in the system studied.

L12 ANSWER 47 OF 49 CAPLUS COPYRIGHT 2009 ACS on STN
TI Decomposition and condensation of acetic anhydride in the presence of anhydrous potassium acetate
AN 1968:104330 CAPLUS
DN 68:104330
OREF 68:20115a,20118a
TI Decomposition and condensation of acetic anhydride in the presence of anhydrous potassium acetate
AU Garcia Jimenez, Federico; Valle, Juan; Homero Cuatecontzi, Dick; Malpica, Roberto; Salmon, Manuel; Garnica, Carlos; Walls, Fernando; Sandoval, Alberto
CS Inst. Quim., Mexico City, Mex.
SO Boletin del Instituto de Quimica de la Universidad Nacional Autonoma de Mexico (1967), 19, 3-40
CODEN: BIQUA5; ISSN: 0076-745X

DT Journal
LA Spanish

AB By-products found in the acetylation of butadiene with Ac₂O (I) and KOAc (II) suggested a reaction between I and II. Reagent grade I (containing 3% AcOH) was purified by vacuum fractionation on a rotating Pt column, to give 99.8-100% I, b₁₀₅ 85-5.5°, n_{20D} 1.3902. I (10 ml.) was heated to boil with 0.05 to 8.0 g. II and rates of CO₂ production were recorded;

they were proportional to II up to its solubility limit, and inhibited by AcOH as formed or added. A dry-ice trap caught 5% each AcOH and Me₂CO. A mixture of 10 ml. I, 0.2 g. II, and 3.96 g. AcOH, after completion of the CO₂-forming reaction, gave 100% acetylation of cholestanol; under similar conditions, EtCMe₂OH remained unaltered, but was 95% acetylated in the absence of AcOH. Pyrones were isolated from the residue of the reaction of 230 ml. I with 23 g. II, by addition of MeOH to eliminate I, vacuum evaporation, and separation of 10.7 g. crude from the H₂O-washed EtOAc extract; distillation

at 0.05 mm. yielded 0.056 g. 2,6-dimethyl-3-acetyl-4-pyrone, b0.05 57-9°, and 0.14 g. 2,6-dimethyl-3,5-diacetyl-4-pyrone, subliming 85°/0.05 mm., m. 120-4°. In the presence of AcCH₂CO₂Et, better yields (above 2%) of these pyrones were obtained, suggesting an intermediate (AcCH₂CO)₂O. Complex pyrone mixts. were obtained from homologs. A similar reaction was found with (RCO)₂O (R = Et), b10 68°, 10 ml., and RCO₂K, with a proportional rate dependence up to 100 mg. (330 ml. CO₂ in 15 hrs.); 0.05 g. R₂CO was collected in MeOH containing 2,4-dinitrophenylhydrazine, and, from the residue evaporated to dryness

in the presence of MeOH, some 2,6-diethyl-3,5-dimethyl-4-pyrone, b0.05 84°, m. 47-9°, as one of 131 fractions. For other homologs (R, b.p. of (RCO)₂O, and of R₂CO formed given): n-C₃H₇, b1 59-60°, b582 134-5°; iso-C₃H₇, b14 55° (from 87.5 g. RCOCl and 102.5 g. RCO₂K in 500 ml. tetrahydrofuran followed by C₆H₆ filtering, and distillation), b582 115-16°; Me₂CHCH₂, b10 80-5°, b582 148-50°. Mixed anhydrides were prepared from RCOCl and R₁CO₂K and reacted similarly (R, R₁, b.p. of anhydride, and yield as % volatiles found by gas-chromatog. of R₂CO, RCOR₁, and R₁R₂CO): Me, Et, b4 25°, 5.1, 51.9, 40.2; n-C₃H₇, b1.8 25°, peak only, 32.5, 5; Me, Ph, (decomposition), 5, 52, 0. Kinetic analyses for the I + II reaction, and N.M.R., ir, and mass spectra of all compds. are given.

L12 ANSWER 49 OF 49 CAPLUS COPYRIGHT 2009 ACS on STN

TI The production of acetone by the action of potassium acetate on acetic anhydride

AN 1924:6024 CAPLUS

DN 18:6024

OREF 18:815d

TI The production of acetone by the action of potassium acetate on acetic anhydride

AU Luce, E.

SO Compt. rend. (1923), 177, 1306-9

DT Journal

LA Unavailable

AB When Ac₂O and KOAc are heated together to 170-80° the products are CO₂, Me₂CO, and unchanged AcOK. The yield of acetone is 24% of the theory. Similarly PrCO₂K and AC₂O yielded a mixture of equal parts Me₂CO and MeCOPr totaling 24% of the theoretical yield. L. considers the reaction a general one. The reaction mechanism proposed by Perkin is confirmed.

=> aldehyde

123485 ALDEHYDE

117410 ALDEHYDES

L15 188287 ALDEHYDE

(ALDEHYDE OR ALDEHYDES)

=> d his

(FILE 'HOME' ENTERED AT 09:11:45 ON 06 MAR 2009)

FILE 'REGISTRY' ENTERED AT 09:11:58 ON 06 MAR 2009
E ISOPRENYL ACETATE/CN

L1 1 E3
E 3-METHYL-2-BUTENYL ACETATE/CN

L2 1 E3

FILE 'CAPLUS' ENTERED AT 09:14:55 ON 06 MAR 2009
371 L2

L4 26850 (SODIUM OR POTASSIUM OR LITHIUM) (W) ACETATE

FILE 'REGISTRY' ENTERED AT 09:17:55 ON 06 MAR 2009
E ACETIC ANHYDRIDE
E ACETIC ANHYDRIDE/CN

L5 1 E3

FILE 'CAPLUS' ENTERED AT 09:19:14 ON 06 MAR 2009
21791 L5

L7 0 L6 (L) L3

L8 10 L6 AND L3

L9 90 L2/PREP

L10 10 L9 AND L6

L11 0 L10 NOT L8

L12 49 L4 (L) L6

L13 140395 ESTERIF?

L14 2 L12 AND L13

L15 188287 ALDEHYDE

=> l12 and l15

L16 1 L12 AND L15

=> d l16 ti fbib abs

L16 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN
TI Deprotection of α -halo aldehydes dimethyl acetals with
acetic anhydride-acetyl chloride-sodium acetate trihydrate
AN 1995:545802 CAPLUS
DN 123:82534
OREF 123:14761a,14764a
TI Deprotection of α -halo aldehydes dimethyl acetals with
acetic anhydride-acetyl chloride-sodium acetate trihydrate
AU Benincasa, Marta; Boni, Monica; Ghelfi, Franco; Pagnoni, Ugo M.
CS Dep. Chimica, Univ. Modena, Modena, I-41100, Italy
SO Synthetic Communications (1995), 25(12), 1843-8
CODEN: SYNCV; ISSN: 0039-7911
PB Dekker
DT Journal
LA English
OS CASREACT 123:82534
AB α -Halo aldehydes are regenerated in excellent yields from
the corresponding di-Me acetals by acetic anhydride-acetyl chloride-sodium
acetate-trihydrate in chloroform.

=> ?sulfite

L17 91105 ?SULFITE

=> l12 and l17

L18 0 L12 AND L17

=> l4 and l6

L19 624 L4 AND L6

=> l17 and l19

L20 16 L17 AND L19

=> d 120 1-16 ti

L20 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN

TI Derivatives of amyris alcohols and eudesmol for treating cold sores and herpes

L20 ANSWER 2 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN

TI Method for synthesis of 6,6-dimethyl-3-oxabicyclo[3.1.0]hexane-2,4-dione from primary ethyl chrysanthemate

L20 ANSWER 3 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN

TI Process for preparing diltiazem using a heterogeneous trifunctional catalyst

L20 ANSWER 4 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN

TI Process for preparing cathode active material for nonaqueous electrolyte secondary battery

L20 ANSWER 5 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN

TI Preparation of 5-methylene-[1,3,2]dioxathian-2-ones and their synthetic transformations

L20 ANSWER 6 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN

TI Acetyl bromide as a polar solvent. II. Solvolytic reactions in acetyl bromide

L20 ANSWER 7 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN

TI The nature of the catalyst in the Perkin condensation

L20 ANSWER 8 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN

TI The constituents of gambier and acacia catechus. II

L20 ANSWER 9 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN

TI The constituents of the volatile oil of the bark of Cinnamomum pedatinervium, of Fiji

L20 ANSWER 10 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN

TI Studies in the camphane series. Part VIII. m-Nitrobenzoylcamphor

L20 ANSWER 11 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN

TI On brazilic acid and the constitution of brazilin

L20 ANSWER 12 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN

TI The colouring matters occurring in various British plants. Part I

L20 ANSWER 13 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN

TI The interaction of alkali-cellulose and carbon bisulphide: cellulose thiosulphocarbonates

L20 ANSWER 14 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN

TI Contributions from the Laboratories of the Heriot Watt College, Edinburgh. The synthetical formation of closed carbon chains. Part II (continued). Derivatives of tetramethylene

L20 ANSWER 15 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN

TI On the condensation products of isobutaldehyde, obtained by means of alcoholic potash

L20 ANSWER 16 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN

TI On the condensation products of oenanthaldehyde. Part I. and II

=> logoff hold

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